BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name Of Work :- Detailed Estimate for Annual maintenance of electrical Equipments and maintenance of Crematorium at Medi Agrahara, Lakshmipura in Ward-No 11

Budget Head .....

Division No..... Estimate No. ..... For Rs.= **1000000.00**

Sl. No.	Description of Work	Qty.	Rate Rs. Ps.	Unit	Amount
1	Licenced electrician with tools (Skilled) Rs.14640.60/Person/Month. Rs.14640.60*12=175687.20/Person/Year. KAE71LWA 2015 Dated 05-08-2016	1	175687.20	Per Year	**175687.20**
2	a).Helper (Electrical) (Semi-Skilled) Rs.12286.60/Person/Month. Rs.12286.60*12=147439.20/Person/Year. KAE71LWA 2015 Dated 05-08-2016	1	147439.20	Per Year	**147439.20**
3	Crematorium Watchman Rs.12286.60/Person/Month. Rs.12286.60*12=147439.20/Person/Year. KAE71LWA 2015 Dated 05-08-2016	1	147439.20	Per Year	**147439.20**
4	Material components per day utilization a)soap oil	160	15.00	Ltrs	**2400.00**
5	b)Phenyl	200	70.00	Ltrs	**14000.00**
6	c)Air Freshner cakes	200	10.00	Each	**2000.00**
7	d)Room Freshner	50	157.50	Ltrs	**7875.00**
8	e)Checks cloth	100	50.00	Doz	**5000.00**
9	f)Dust cloths	55	50.00	Doz	**2750.00**
10	g)Mop cloth	60	70.00	Each	**4200.00**
11	h)Soft broom	50	20.00	Each	**1000.00**
12	i)Hard broom	30	8.00	Each	**240.00**
13	j)Road brush	25	110.00	Each	**2750.00**
14	k)Urinal cakes	250	8.00	Each	**2000.00**
15	l)HCL	150	8.00	Ltrs	**1200.00**
16	Supplaying & Fixing of Coil holding bricks Vertical System115X115X300 mm	2	6950.00	Each	**13900.00**
17	Supplaying & Fixing of 3.5 KW Heating coils Made out of 5.8mm Thick 80/20 Grade nickel chromium wire, Heating Zone should be 950mm length, End terminal rod ss 304Grade 10mm dia 550mm Lenth suitable for Verticle mounting system in Electrical Furnace including Porcelin beeds spacers Supporting system Complet	4	37000.00	Each	**148000.00**
18	Supplaying & Fixing of Body laying with MCL 150X300X600mm	6	11600.00	Each	**69600.00**
19	Supplaying & Fixing of Body laying with MCL 150X300X600mm	4	11600.00	Nos	46400.00

20	Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator)	1	44000.00	Each	44000.00
21	Supplying & Changing of B Check Kit for Engine.	2	3150.00	Nos	6300.00
22	Supplying & Changing of Alternator AVR.(Automatic Voltage Regulator)	1	9600.00	Nos	9600.00
23	Supplying & Changing of Alternator Rectifier	1	2800.00	Nos	2800.00
24	Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,.	1	3100.00	Nos	3100.00
25	Supplying & Changing of Batery terminals	2	268.00	Nos	536.00
26	Supplying & Fixing of Air filter	1	2880.00	Nos	2880.00
27	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps	1	5060.00	Each	5060.00
28	Supplying and fixing HRC fuse link on existing switch fuse base with watt loss as per IS-13703. 3) 125Amps	3	358.00	Each	1074.00
29	Supplying & Changing of Radiotor hose Kit (3 Nos)	1	1920.00	Set	1920.00
30	Supplying & Changing of Top cover gasket.	1	1920.00	Nos	1920.00
31	Servicing & cleaning of Scrubber, Scrubber duct Exhaust Blower & Duct Furnace to Chimny and cleaning of chimny (6 monts once)	4	10000.00	Per Set	40000.00
32	Accost - 50 Grade	1	1700.00	Bag	1700.00
33	Fire crate super	1	2750.00	Bag	2750.00
34	Thermotex	1	3100.00	Bag	3100.00
35	Fire blanket : 128 Grade	1	3150.00	Each	3150.00
36	Plastic buckets 20 L capacity PWD Civil SR 2013-14	4	120.00	No	480.00
37	Plastic Mugs PWD Civil SR 2013-14	5	30.00	No	150.00
38	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.1.5 sqmm Page-5/2.3.2	50	20.50	Mtrs	1025.00
39	4)4 sqmm Page-6/2.3.4	90	45.00	Per Mtr	4050.00
40	Moulded Case Circuit Breaker (MCCB)Three Pole 160Amps 25kA Page-XIV/258	4	3900.00	Each	15600.00
41	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. KPWD ELE SR Page-25/5.7.3 100 Amps	3	349.00	Each	1047.00
42	5) 200 AmpsKPWD ELE SR Page-25/5.7.5	6	708.00	Each	4248.00
43	LED type panel board indicating lamp Page-XVI/427	6	258.00	Each	1548.00
44	Copper Lugs 95 sq mm long barrel Page-XIX/567	12	58.00	Each	696.00
45	Copper Lugs 240 sq mm long barrel Page-XIX/571	6	185.00	Each	1110.00
46	4 Pole Power Contactor with NO/NC Contactor. 4) 200 Amps Page-XIV/247	2	10020.00	Each	20040.00
47	4 Pole Power Contactor with NO/NC Contactor. 4) 60 to 70Amps Page-XIV/243	4	2520.00	Each	10080.00

	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps DP Page-27/5.17.6	3	1355.00	Each	4065.00
49	6-32 Amps DP Page-27/5.17.4	4	909.00	Each	3636.00
50	GST @12% on Item 38 to 49				8057.40
	Missallaneous				397.00
	Total				1000000.00

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on AR/ 2019-20 / BESCOM approved rates

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 10.00 lakhs
Rs Ten lakhs only
is accorded for P0287 M & R to Electrical Crematoria
Registered vide 49/19-20 Subject to condition
No. BBMP/EE/ELE/Y2/AS/49/2019-20
Dated: 18.12.2019
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 lakhs
Rupees Rupees Ten lakhs only
Under P0287 M & R to Electrical Crematoria
Registered vide 36/2019-20
Subject: BBMP/EE/ELE/Y2/AS/49/19-20
enclosed dt. 18.12.2019
Dt. BBMP/EE/ELE/Y2/TS/36/19-20 sanctioned
Dated 18.12.2019.
Executive Engineer